INDEX TO VOLUME 3

THE AMERICAN BIOLOGY TEACHER

Alternation of Generations, Fred M. Schellhammer, 89
Animal Experiments, Objective, Fletcher J. Proctor, 5
Aquarium, Air-tight Balanced, Louis Haber, 26
Aquarium as a Teaching Device, John Breukelman, 133, 173
Association Reports, Local, 28, 29, 30, 56, 94, 201, 244
Audubon Society, The National, 201

Baechle, John W., Photomicrography without a Microscope or Camera, 62; Giant Chromosomes, 172
Battle, Helen I., Biology through the Abattoir: I. The Mammalian Heart, 45; II. The Mammalian Lung, 119
Betts, William A., Know Your Feet, 202
Bingham, N. Eldred and Drew, Eric, Work with Buffer Salts, 61
Biological Briefs (Abstracts from the literature), Ruth Sherman, 27, 67, 127, 176, 209, 237
Biology Club, David F. Sygoda, 266
Biology Exchange Idea, Willis W. Collins, 17
Biology Program, Modern, for the High School, Melvin A. Hintz, 48
Biology Teachers, the Training of, Mary D. Rogick, 159
Biology through the Abattoir: I. The Mammalian Heart, 45; II. The Mammalian Lung, 119, Helen I. Battle
Blakeslee, Albert F., Science Five Thousand Years Hence, 117

Books Reviewed
Adams, Norval E., and Bandow, Esther M., A Study Guide for Applied Biology, 138
Adell, James C., Dunham, Olive O., Welton, Louis E., Explorations in Biological Science, 31
Bailey, John Wendell, Biology at the University of Richmond, 34
Baker, A. C., and Mills, L. H., Dynamic Biology, 63
Bryan, Arthur H., and Bryan, Charles, Principles and Practice of Bacteriology, 31, 211
Bush, George L., Dickie, Allan, and Runkle, Ronald C., A Biology of Familiar Things, 178
Calkins, Gary N., and Summers, Francis M., Editors, Protozoa in Biological Research, 279
Cattell, Jaques, Editor, Biological Symposia, Vol. II, 280
Charles, Brother H., Biology, 32
Clark, John A., Fitzpatrick, Frederick L., and Smith, Edith L., Science on the March, 281
Colin, Edward C., Elements of Genetics: Mendel's Laws of Heredity with Special Application to Man, 212
Curriculum Committee of Syracuse University, A Functional Program of Teacher Education, as Developed at Syracuse University, 213
Edge, Rosalie, and Lumley, Ellsworth D., Common Hawks of North America, 139
General Biological Supply House, Living Specimens in the School Laboratory, 34
Gerard, R. W., Unresting Cells, 210
Hannum, Clair A., Comparative Chordate Anatomy: A Laboratory Text, 281
Hylander, Clarence J., and Stanley, Oran B., Plants and Man, 210
Lowe, Pauline E., The Virginia Conservation Guide, 34
McAvoy, Blanche, A Study Guide for Biology, 137
McMinn, Howard E., and Maino, Evelyn, An Illustrated Manual of Pacific Coast Trees, 181
Meier, W. H. D., and Shoemaker, Lois Meier, Essentials of Biology, 104
Needham, James G., Introducing Insects: A Book for Beginners, 34
Park, O., Allee, W. C., and Shelford, V. E., A Laboratory Introduction to Animal Ecology and Taxonomy, 31
Pieper, C. I., Beauchamp, W. L., and Frank, O. D., Everyday Problems in Biology, 136
Sears, Paul B., Life and Environment, 65
Shoup, Charles S., An Annotated Bibliography of the Zoology of Tennessee, 34
Steinach, Eugen, Sex and Life, 66
Stiles, Karl A., Handbook of Microscopic Characteristics of Tissues and Organs, 33
Stiles, Karl A., Laboratory Explorations in Animal Biology, 138
Stuart, Richard R., The Anatomy of the Bull Frog, 33
Stuart, Richard R., The Anatomy of Necturus. The Anatomy of the Cat, 66
Transeau, E. N., Sampson, H. C., and Tiffany, L. H., Textbook of Botany, 105
Vance, B. B., Barker, C. A., and Miller, D. F., Biology Workbook, 282
Weimer, Bernal R., Nature Similes in Verse, 212
Werkmeister, W. H., A Philosophy of Science, 276
Wessel, John P., Leigh, W. Henry, and Meglitsch, Paul, Laboratory Text for General Zoology, 106
Westchester Cancer Committee, Youth Looks at Cancer, 212
Zim, Herbert S., Science Interests and Activities of Adolescents, 180

Breukelman, John, The Aquarium as a Teaching Device, 133, 173
Buffer Salts, Work with, N. Eldred Bingham and Eric Drew, 61
Buildings, Equipment and Textbooks Used by Teachers of Biology in Secondary Schools: Data from a Questionnaire, Edmund W. Sinnott, 261

Campbell, Arabel, An Open Letter to Film Producers, 125
Chick Embryos, a Method of Rearing, Visible throughout Incubation, John W. Price and Ernest, V. Fowler, 23
Christmas Suggestion for the Biology Class, Lucile A. Evans, 101
Chromosomes, Giant, Rev. John W. Baechle, 172
Clark, Robert C., The Demonstration Laboratory for Biology, 95
Classics, Biology and, Philip H. Pope, 87
Colin, Edward C., Editorials, 21, 164, 267, 269
Collins, Willis W., The Biology Exchange Idea, 17; The Diorama as a Teaching Aid, 208
Constitution, Proposed Amendments, 239
Convention, Third Annual, 1940, P. K. Houdek, 92, 130
Crooks, Kenneth B. M., The Use of Mnemonics as Aids in Biology Instruction, 166

Dellinger, O. P., A Third of a Century in Biology Teacher Education, 9
Diagrams, Progressive, for Teaching Biology, Clyde E. Keeler, 227
Diaries, Biology, for Training in Observation, Richard F. Trump, 102
Diorama as a Teaching Aid, Willis W. Collins, 208
Drosophila Experiments, 22

Editorials, Edward C. Colin, 128, 164, 267, 269
Election Notice, 165
Evans, Lucile, A Christmas Suggestion for the Biology Class, 101
Exchanges, 17, 57
Exhibit Specimens of Mammals and Birds, A Simple Method of Mounting, Clyde E. Keeler, 131
Exhibits, Portable Loan, as Teaching Aids, Walter P. Nickell, 98

Feet, Know Your, William A. Betts, 202
Field Trips, Winter, Douglas Salisbury, 124
Field Work, Importance for the High School Biology Teacher, Howard H. Michaud, 205
Film Producers, Open Letter to, Arabel Campbell, 125
Financial Statement, P. K. Houdek, 128
Fitzpatrick, Frederick L., Training of Biology Teachers, 253

Galbreath, J. W., An Interest Survey in Biology, 58
Goldstein, Philip, The "Practical" Test, 234
Government Bulletins, 35, 139, 282

Haber, Louis, An Air-tight Balanced Aquarium, 26
Hatching Chickens in a Laboratory, Lula A. Miller, 25
Hayes, Wm. P., The Milkweed Bug as a Live Laboratory Animal, 270
Heredity Experiments, 22
Hintz, Melvin A., A Modern Biology Program for the High School, 48
Houdek, P. K., Financial Statement, 128; Third Annual Convention Held in Philadelphia, December 30, 1940, 92, 130
Huffman, Claude I., Teaching Biology by the Project Method, 53

Human Interest in High School Biology, Joseph B. Sommer, 55
Huxley, Thomas Henry, as a Biologist, James D. Teller, 274

Interest in Senior High School Biology, John E. Shoop, 14
Interests in Biology, 14, 55, 58, 198
Interest Survey in Biology, J. W. Galbreath, 58

Jeffers, George W., 20, 22, 93, 129, 200, 268

Kaplan, Harold M., A Teaching Aid for the Demonstration of Yeast Fermentation, 51
Keeler, Clyde E., A Simple Method of Mounting Small Exhibit Specimens of Mammals and Birds, 131
Keeler, Clyde E., Progressive Diagrams for Teaching Biology, 227

Labels, Permanent Metal, James M. Sanders, 171
Laboratory, Demonstration, for Biology, Robert C. Clark, 95

Michaud, Howard H., Importance of Field Work for the High School Biology Teacher, 205
Milkweed Bug as a Live Laboratory Animal, Wm. P. Hayes, 270
Miller, D. F., A Summary of Part of the Questionnaire to Teachers of Biological Sciences in Secondary Schools, 221
Miller, Lula A., Hatching Chickens in a Laboratory, 25
Mnemonics, The Use of as Aids in Biological Instruction, Kenneth B. M. Crooks, 166

National Association of Biology Teachers, Convention, 1940, 92, 130
Nickell, Walter P., Portable Loan Exhibits as Teaching Aids, 98
Notes and News, 28, 56, 94, 233

Odd Stocks, J. Walter Wilson, 121
O'Donnell, Mary M., Oysters, Pearls of Nutrition, 84
Opaque Projection in High School Biology, W. Hugh Stickler, 11
Oysters, Pearls of Nutrition, Mary M. O'Donnell, 84

Parkinson, Charles E., General Semantics as an Aid in Teaching the Biological Sciences for Purposes of General Education, 79
Photomicrography without a Microscope or Camera, John W. Baechle, 62
Plants, Lower, and Higher Education, William H. Weston, 189
Pope, Philip H., Biology and the Classics, 87
President's Message, George W. Jeffers, 20
President's Page, George W. Jeffers, 93, 129, 200, 268
Price, John W., and Fowler, Ernest V., Eggshell Caps—A Method of Rearing Chick Embryos Visible throughout Incubation, 23
Proctor, Fletcher J., Objective Animal Experiments, 5
Project Method of Teaching Biology, Claude I. Huffman, 53

Projects for 1941, J. L. Sloanaker, 165
Protozoans Are Not Simple Animals, Victor Schechter, 195

Questionnaire on Secondary School Biology, Preliminary Impressions and Facts from, Oscar Riddle, 151
Questionnaire to Biology Teachers, Summary of Part of, D. F. Miller, 221

Riddle, Oscar, Preliminary Impressions and Facts from a Questionnaire on Secondary School Biology, 151
Rip Van Winkle Science, Philip B. Sharpe, 19
Rogick, Mary D., The Training of Biology Teachers, 159

Salisbury, Douglas, Winter Field Trips, 124
Sanders, James M., Permanent Metal Labels, 171
Schechter, Victor, Protozoans Are Not Simple Animals, 195
Schellhammer, Fred M., Alternation of Generations, 89
Science Five Thousand Years Hence, Albert F. Blakeslee, 117
Semantics, General, as an Aid in Teaching the Biological Sciences for Purposes of General Education, Charles E. Parkinson, 79
Sharpe, Philip B., Rip Van Winkle Science, 19
Sherman, Ruth, Biological Briefs, 27, 67, 127, 176, 209, 237
Shoop, John E., Arousing Interest in Senior High School Biology, 14
Sinnott, Edmund W., Buildings, Equipment, and Textbooks Used by Teachers of Biology in Secondary Schools, 261
Sloanaker, J. L., Projects for 1941, 165
Sommer, Joseph B., Human Interest in High School Biology, 55
Stickler, W. Hugh, Opaque Projection in Biology, 11
Student Interests, Using, to Motivate and to Develop Abilities, R. C. Wilkins, 198
Sygoda, David F., The Biology Club, 266

Teacher Education, a Third of a Century in Biology, O. P. Dellinger, 9
Teller, James D., Thomas Henry Huxley as a Biologist, 274
Tests, "Practical," Philip Goldstein, 234
The Training of Biology Teachers: Data from a Questionnaire, Frederick L. Fitzpatrick, 253
Thomas Henry Huxley as a Biologist, James D. Teller, 274
Torso Model, Helen Trowbridge, 199
Trump, Richard F., Biology Diaries for Training in Observation, 102

Weston, William H., Lower Plants and Higher Education, 189
Whittier, Helen, From Aquarium to Waste Basket in 42 Minutes, 272
Wilkins, R. C., Using Student Interests to Motivate and to Develop Abilities, 198
Wilson, J. Walter, Odd Sticks, 121

Yeast Fermentation, a Teaching Aid for Demonstration of, Harold M. Kaplan, 51

Nomination for Membership

in the

National Association of Biology Teachers

Please fill in blank below or write out on separate sheet and mail to P. K. Houdek, Secretary-Treasurer, Robinson, Illinois.

..... **1941**

I nominate ..... **of the** .....

School, at ....., **for membership in the National Association of Biology Teachers, which includes subscription to the American Biology Teacher.**

(Signed) .....

(Address) .....